

anti- USP28 antibody

Product Information

Catalog No.:	FNab09322
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Deubiquitinase involved in DNA damage response checkpoint and MYC proto-oncogene stability. Involved in DNA damage induced apoptosis by specifically deubiquitinating proteins of the DNA damage pathway such as CLSPN. Also involved in G2 DNA damage checkpoint, by deubiquitinating CLSPN, and preventing its degradation by the anaphase promoting complex/cyclosome(APC/C). In contrast, it does not deubiquitinate PLK1. Specifically deubiquitinates MYC in the nucleoplasm, leading to prevent MYC degradation by the proteasome: acts by specifically interacting with isoform 1 of FBXW7(FBW7alpha) in the nucleoplasm and counteracting ubiquitination of MYC by the SCF(FBW7) complex. In contrast, it does not interact with isoform 4 of FBXW7(FBW7gamma) in the nucleolus, allowing MYC degradation and explaining the selective MYC degradation in the nucleolus. Deubiquitinates ZNF304, hence preventing ZNF304 degradation by the proteasome and leading to the activated KRAS-mediated promoter hypermethylation and transcriptional silencing of tumor suppressor genes(TSGs) in a subset of colorectal cancers(CRC) cells(PubMed:24623306).

Immunogen information

Immunogen:	ubiquitin specific peptidase 28
Synonyms:	Deubiquitinating enzyme 28, KIAA1515, Ubiquitin thiolesterase 28, USP28

Wuhan Fine Biotech Co., Ltd.

B9 Bld, High-Tech Medical Devices Park, No. 818 Gaoxin Ave. East Lake High-Tech Development Zone. Wuhan, Hubei, China(430206)

Tel : (0086)027-87384275

Fax: (0086)027-87800889

www.fn-test.com

Observed MW: 130 kDa
Uniprot ID : Q96RU2

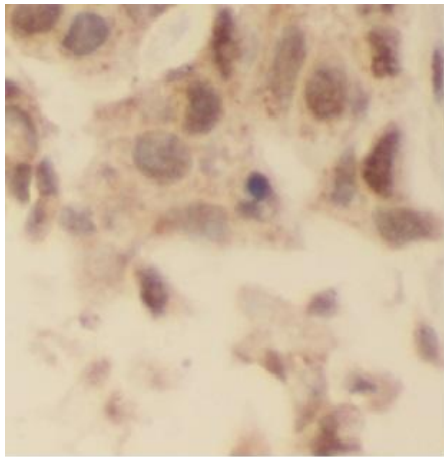
Application

Reactivity: Human, Mouse, Rat

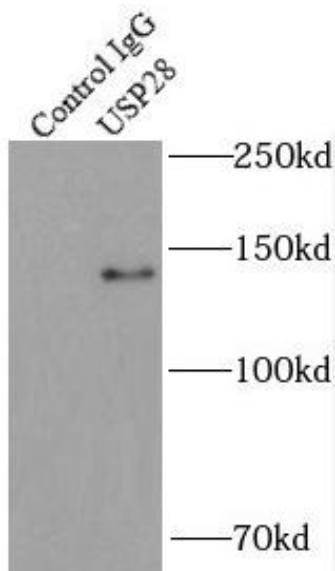
Tested Application: ELISA, WB, IHC, IP

Recommended dilution: WB: 1:500-1:5000; IP: 1: 200-1: 2000; IHC: 1: 20-1: 200

Image:



Immunohistochemistry of paraffin-embedded human breast cancer using FNab09322(USP28 antibody) at dilution of 1:50



IP Result of anti-USP28 (IP:FNab09322, 4ug; Detection:FNab09322 1:600) with HeLa cells lysate 2800ug.

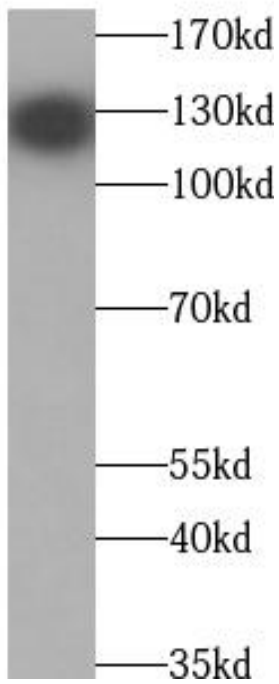
Wuhan Fine Biotech Co., Ltd.

B9 Bld, High-Tech Medical Devices Park, No. 818 Gaoxin Ave. East Lake High-Tech Development Zone. Wuhan, Hubei, China(430206)

Tel : (0086)027-87384275

Fax: (0086)027-87800889

www.fn-test.com



HeLa cells were subjected to SDS PAGE followed by western blot with FNab09322(USP28 antibody) at dilution of 1:1000